

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3277617

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
NOKIA CORPORATION	01/16/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	NOKIA TECHNOLOGIES OY
<b>Street Address:</b>	KARAPORTTI 3
<b>City:</b>	ESPOO
<b>State/Country:</b>	FINLAND
<b>Postal Code:</b>	02610

**PROPERTY NUMBERS Total: 25**

Property Type	Number
Application Number:	13787058
Application Number:	13417457
Application Number:	13942992
Application Number:	13483851
Application Number:	13422548
Application Number:	13548562
Application Number:	14173348
Application Number:	13421488
Application Number:	13472941
Application Number:	13428824
Application Number:	13836592
Application Number:	13440505
Application Number:	13440568
Application Number:	13446793
Application Number:	13481123
Application Number:	13491772
Application Number:	13423681
Application Number:	14389736
Application Number:	14385417
Application Number:	13621511

PATENT

Property Type	Number
Application Number:	14388250
Application Number:	13435085
Application Number:	13475345
Application Number:	13409404
Application Number:	13423653

**CORRESPONDENCE DATA**

**Fax Number:**  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Email:** thao.pham@nokia.com

**Correspondent Name:** NOKIA USA INC. ATTN: IP DOCKETING

**Address Line 1:** 200 SOUTH MATHILDA AVE

**Address Line 4:** SUNNYVALE, CALIFORNIA 94086

<b>NAME OF SUBMITTER:</b>	THAO PHAM
<b>SIGNATURE:</b>	/Thao Pham/
<b>DATE SIGNED:</b>	03/23/2015

**Total Attachments: 2**  
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PATENT ASSIGNMENT

THIS Assignment is effective as of 31 December 2014 between

Assignor **NOKIA CORPORATION** of Karaportti 3, FI - 02610 Espoo, Finland, a corporation organized under the laws of Finland (hereinafter "Nokia Corporation") and Assignee **NOKIA TECHNOLOGIES OY** of Karaportti 3, FI - 02610 Espoo, Finland, a corporation organized under the laws of Finland (hereinafter "Nokia Technologies")

**WHEREAS**, Nokia Corporation is the owner of certain patents and patent applications, as more particularly described in Attachment 1 hereto (hereinafter "the Patents"), incorporated herein by reference;

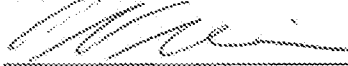
**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and in accordance with that certain Business Purchase Agreement between Nokia Corporation and Nokia Technologies having an effective date of 31 December 2014 (hereinafter "Agreement"):


Nokia Corporation sells, assigns, transfers and conveys to Nokia Technologies, and its successors and assigns, all right, title, and interest in and to each of the Patents and patent applications listed in Attachment 1 hereto and all continuations, divisions, and reissues arising from or related to the Patents.

This sale, assignment, transfer, and conveyance to Nokia Technologies, and its successors and assigns, is made subject to certain retained rights in favor of Nokia Corporation for the Patents and patent applications listed in Attachment 1, as are set forth in the Agreement.

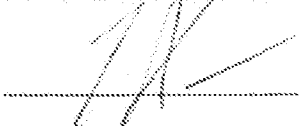
**IN WITNESS WHEREOF**, the parties have caused their respective corporate names to be affixed hereto and this instrument to be signed by their duly authorized officers as of the day and year written below.

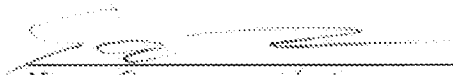
**NOKIA CORPORATION**

By:   
Name: Esa Niinimäki  
Title: Authorized signatory  
Date: 16 January 2015

  
Name: Anne Oksala  
Title: Legal Counsel  
Date: 16 January 2015

**NOKIA TECHNOLOGIES OY**

By:   
Name: Jyri Lassi  
Title: Vice President, Legal & IP  
Date: 16 January 2015

  
Name: Sanni Uskola  
Title: Head of Finance and operations  
Date: 16 January 2015

## Attachment 1

78382-US-NP	United States Of America	06 Mar 2013	13/787058		
78381-US-NP	United States Of America	12 Mar 2012	13/417457	09 Dec 2014	8909274
78375-US-NP	United States Of America	16 Jul 2013	13/942992		
78372-US-NP	United States Of America	30 May 2012	13/483851		
78361-US-NP	United States Of America	16 Mar 2012	13/422548		
78360-US-NP	United States Of America	13 Jul 2012	13/548562		
78353-US-CNT	United States Of America	05 Feb 2014	14/173348		
78353-US-NP	United States Of America	15 Mar 2012	13/421488	18 Feb 2014	8654076
78348-US-NP	United States Of America	16 May 2012	13/472941		
78347-US-NP	United States Of America	23 Mar 2012	13/428824		
78338-US-NP	United States Of America	15 Mar 2013	13/836592		
78319-US-NP	United States Of America	05 Apr 2012	13/440505		
78318-US-NP	United States Of America	05 Apr 2012	13/440568		
78307-US-NP	United States Of America	13 Apr 2012	13/446793		
78303-US-NP	United States Of America	25 May 2012	13/481123		
78301-US-NP	United States Of America	08 Jun 2012	13/491772		
78300-US-NP	United States Of America	19 Mar 2012	13/423681		
78284-US-PCT	United States Of America	05 Apr 2013	14/389736		
78283-US-PCT	United States Of America	26 Mar 2012	14/385417		
78280-US-NP	United States Of America	17 Sep 2012	13/621511		
78268-US-PCT	United States Of America	29 Mar 2012	14/388250		
78254-US-NP	United States Of America	30 Mar 2012	13/435085	04 Nov 2014	8879993
78246-US-NP	United States Of America	18 May 2012	13/475345	25 Nov 2014	8896489
78243-US-NP	United States Of America	01 Mar 2012	13/409404		
78224-US-NP	United States Of America	19 Mar 2012	13/423653		